



# Tech Lending at the NCSU Libraries

Kristin Antelman  
CNI Spring 2014







WORLDWIDE

24

VIRTUAL

ADULT'S CROSS



12:25 PM 

00 12:00 - 1:30 1:30 - 3:00 3:00

# Ask Us



For Assistance  
919.515.7110

**REQUEST**

We deliver  
cables, laptops,  
etc.

 Room 1023  
919-123-4567 

1:15 PM 

00 12:00 - 1:30 1:30 - 3:00 3:00

# Ask Us

REQUEST ITEMS  
we deliver to you.

- GO** LAPTOPS
- GO** HEADPHONES
- GO** HDMI CABLE
- GO** VGA CABLE
- GO** MARKERS / ERASERS

 Room 1023  
919-123-4567 



# Inventory



## Digital Cameras and Camcorders

Devices for capturing video and still images.



## Laptops & Netbooks

Laptops and netbooks with either Mac or Windows operating systems are available.



## Tablets and iPods

The Apple iPad and the iPad 2 as well as the Nexus 7 .



## Cables and Accessories

Many cables and small peripherals

# Commodity Specialized Beta



## Gaming

The NCSU Libraries provides many accessories to support gaming.



## DSLR Cameras and Accessories

DSLR, or digital single-lens reflex, cameras are higher-end than the point-and-shoot variety and allow you to



## Digital Media Equipment

This equipment is for use in the Digital Media Lab or the Music Rooms and Media Production Studios. The items



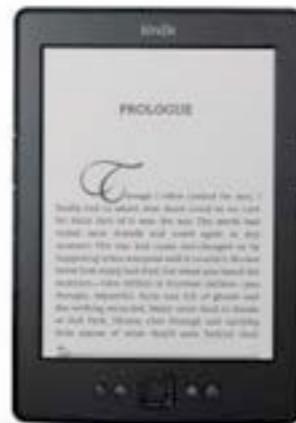
## Projectors and Media Players

This category includes projectors, slide projectors, VCRs and DVD players.



## Calculators

Scientific, financial and graphing calculators.



## E-Readers

Devices used to display digital books.



## Design and Modeling Tools

Includes calipers, drawing forms, graphing tablets, and modeling kits.

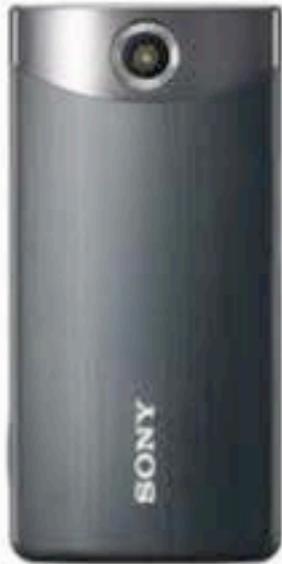


## Techlending Beta Program

This category houses a number of different experimental items. This includes electronics prototyping platforms, full light field cameras and



# Service model: commodity



## Digital Cameras and Camcorders

Devices for capturing video and still images.



## Laptops & Netbooks

Laptops and netbooks with either Mac or Windows operating systems are available.



## Tablets and iPods

The Apple iPad and the iPad 2 as well as the Nexus 7 .



## Cables and Accessories

Many cables and small peripherals



## E-Readers

Devices used to display digital books.

- ✻ Try to meet demand
- ✻ First come-first served



# Service model: specialized

- ☀ Ask about use
- ☀ Wait lists
- ☀ Orientation
- ☀ Workshops



**French Curve**

A French curve is a template made out of metal, wood or plastic composed of many...

Walk Up, 4 Hour



**Circle Radius Master**

This template guide is suitable for use with technical pen or pencil. Precision-engraved...

Walk Up, 4 Hour



**Mitutoyo Digital Calipers**

Features Large and clear LCD readout. The ZERO/ABS key allows the display to be Zero-Set...

Walk Up, 4 Hour



**Wacom Bamboo Fun Tablet**

Combining intuitive design and versatility, the Bamboo Fun is a powerful creative...

Walk Up, 4 Hour, 7 Days



**Gaming**

The NCSU Libraries provides many accessories to support gaming.



**DSLR Cameras and Accessories**

DSLR, or digital single-lens reflex, cameras are higher-end than the point-and-shoot variety and allow you to take higher quality photos.



**Digital Media Equipment**

This equipment is for use in the Digital Media Lab or the Music Rooms and Media Production Studios. The items check out for in building use.



**Projectors and Media Players**

This category includes projectors, slide projectors, VCRs and DVD players.



**Wacom Intuos4**

The medium Intuos4 tablet is the most popular and versatile choice among creative...

4 Hour, 7 Days



**Sigma-Aldrich Chem Tutor Modeling Kit**

Useful for Organic Chemistry modeling.

Walk Up, 4 Hour



# What are you going to use *[device]* for?

- ☀ “I am doing research using structured light scanning techniques to create accurate 3D images of hard candies. Structured light scanning requires a projector to project the specific light pattern that will be analyzed by software to create a 3D image.”
- ☀ “I will be using the projector to deliver a Biology guest lecture at a Community College on Thursday. Then on Friday I will be using it to practice for a research talk that I will be delivering on behalf of NC State department of Entomology at the North Carolina Pest Management Association conference.”

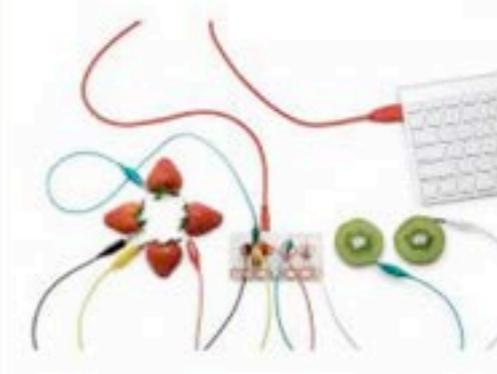


# What are you going to use [device] for?

- ☀ “I am doing research using structured light scanning techniques to create accurate 3D images of hard candies. Structured light scanning requires a projector to project the specific light pattern that will be analyzed by software to create a 3D image.”
- ☀ “I will be using the projector to deliver a Biology guest lecture at a Community College on Thursday. Then on Friday I will be using it to practice for a research talk that I will be delivering on behalf of NC State department of Entomology at the North Carolina Pest Management Association conference.”
- ☀ “I am conducting my graduate thesis research in Botswana this summer. I am in need of a digital voice recorder to record long focus groups.”
- ☀ “I will need a Sony ICD-PX312 to digitally record interviews for my dissertation research in March.”



# Service model: beta

 <p><b>Google Glass</b> Google Glass is a head-mounted, hands-free wearable computing device. It has a built-in... Request Online, 6 Days</p>	 <p><b>Leap Motion Controller</b> Innovative motion control device allows 3D gesture controls for any application in their... Walk Up, 4 Hour</p>	 <p><b>Raspberry Pi</b> The Raspberry Pi is a credit-card sized computer that plugs into your TV. It's a... Walk Up, 7 Days</p>	 <p><b>JoyLabz MaKey MaKey Invention Kit</b> MaKey MaKey is a simple Invention Kit for Beginners or Experts doing art, engineering,... Walk Up, 7 Days</p>
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- ❁ Issues
- ❁ Conversation about use
- ❁ Workshops/training/interest groups

 <p><b>SparkFun Arduino Inventor Kit</b> The ever-growing, easy to use, fun to play with microcontroller platform! This kit from... 7 Days</p>	 <p><b>Lytro Camera</b> The Lytro camera records the entire light field instead of a flat 2D image and allows... Walk Up, 7 Days</p>	 <p><b>Oculus Rift Developer Kit</b> COMING SOON The Oculus Rift is a new virtual reality headset designed for immersive...</p>
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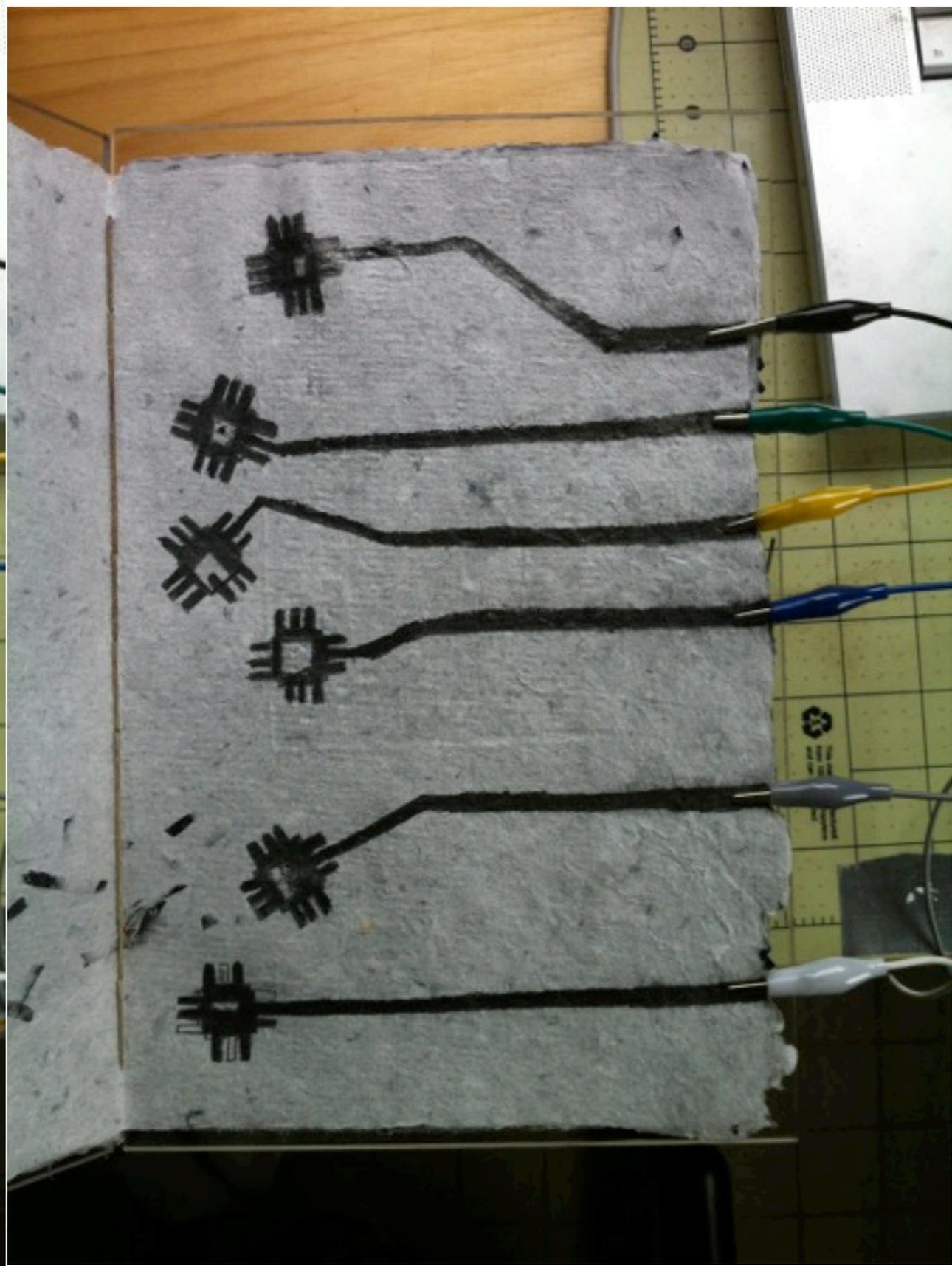


# Rift Developer Kit

[Technology Lending](#) > [Techlending Beta Program](#) > Oculus Rift Developer Kit

**COMING SOON** The Oculus Rift is a new virtual reality headset designed for immersive video game and virtual reality experiences. The device combines high resolution 3D displays with head tracking to help create the ability to step into virtual worlds. The SDK and sample games will be included. This item will be available at Hunt Library only.





# Glass

[Technology Lending](#) > [Techlending Beta Program](#) > [Google Glass](#)

Google Glass is a head-mounted, hands-free wearable computing device. It has a built-in camera, an optical display and the ability to connect to the Internet via voice command.

## How to Borrow

Patrons will need to submit a reservation request with their preferred reservation dates and a brief description of how they plan to use the Glass. Due to limited availability, we prioritize requests that are for teaching, learning, and/or research purposes. **Please note that due to high demand, we will not be able to accommodate all requests.**

To submit a reservation request, please follow the link below.

Borrowing Google Glass can be done **by appointment only**.

**Wednesday - Tuesday loans:** We lend the Glass on Wednesday 9:00 a.m. - 6:00 p.m. from the Ask Us center at the Hunt Library. The Glass is due back the next Tuesday 9 a.m. - 6 p.m.

Patrons who miss their Wednesday reservations will have their reservations cancelled at 6:30 p.m., upon which the Glass will be offered to the waitlist on a first come, first serve basis.

**15-minute appointments:** At check-out, we require a brief 15 minute orientation and review of all the parts being loaned. We require the Glass to be returned with all parts. Patrons are fully liable for the cost of replacement in the event of damage or loss.

### Standard kit:

- Google Glass
- Nexus 5
- Charger
- Carrying pouch

### Additional items:

- Detachable sunshade
- Additional charger

[Google Glass support and FAQ](#)

[Request \(Hunt only\)](#)



# Workshops

## Search

All Articles Books & Media Our Website

Search books, articles, journals, & library website



### Introduction to Arduino and MaKey MaKey

#### Event Details

**When?** Tuesday, February 18, 2014 (06:00 PM - 07:30 PM)  
**What?** Introduction to Arduino and MaKey MaKey  
**Where?** Fishbowl in James B. Hunt Jr. Library  
**Instructor:** Brendan O'connell

#### Workshop Details

**Description:** All upcoming workshops are full. [Click here](#) to receive an email notification when more Arduino and MaKey MaKey workshops are scheduled at the [More...](#)

6:00 PM - 7:30 PM  
Introduction to  
Arduino and MaKey  
MaKey





# Digital Media Assignments

## CREATE DIGITAL MEDIA

[Home](#)

[Video Production](#)

[Audio Production](#)

[lynda.com Video Courses](#)

[Scanning](#)

[Workshops](#)

[Request a Technology Consultation](#)

[Digital Media Assignments](#)

## CREATE

The library has the full range of technology you need to create your multimedia project. Learn how to use the software you need with online video tutorials via [lynda.com](#). Or, schedule a technology consultation with one of our Digital Media Assistants for more in depth help.

- [Technology Lending](#): camcorders, cameras, iPods, voice recorders, and more.
- [Audio Software](#): Audacity, GarageBand, Ableton, and more
- [Video Software](#): iMovie, Windows Movie Maker, Camtasia, and more
- [Lynda.com](#): iMovie and Windows Movie Maker video tutorials
- [Technology Consultation](#): one hour appointment with a Digital Media Assistant



## FIND

Many sources of video, audio, images, and music are available online that are free and legal for you to use. Creative Commons works require that you give credit to the creator, while older works in the public domain don't require any attribution. Selections of recent, copyrighted material can also be used, as long as you apply the doctrine of fair use: you must transform the copyrighted material in some way (short clips, remix, parody). Ask your instructor for help if you're unsure about rights for using resources.

- [Creative Commons](#): images, video, and music, free to use with credit
- [NCSU Libraries Special Collections](#): images of NC State and North Carolina
- [Free Music Archive](#): free music for video, search by mood, artist, or genre
- [Prelinger Archives](#): older films in the public domain, free to use in any way



## CITE

Tools to help you cite your sources including images, videos, music, interviews, and more. Ask your instructor how he/she wishes for you to cite your sources for the project.

- [APA Style](#): examples of how to cite media in APA format
- [MLA Style](#): examples of how to cite media in MLA format
- [Citation Builder](#): Online tool for creating citations for books and articles in MLA and APA formats



## EDIT

There are many online video tutorials available for learning how to use video and audio editing software. If you need help, library experts are available. Use the [Technology Consultation request form](#) to book an in-depth consultation or [Ask Us](#) for immediate quick troubleshooting assistance.

- [iMovie](#): Tutorials by Apple
- [Windows Movie Maker](#): Tutorials by Microsoft
- [Lynda.com](#): iMovie, Windows Movie Maker, Audacity, Camtasia
- [Safe Saving](#): A 2-minute video on how to back up your files when working on library computers
- [iMovie Projects](#): A 1.5-minute video on how to manage your project files in iMovie
- [Windows Movie Maker Projects](#): A 1-minute video on how to manage your project files in Windows Movie Maker



## PUBLISH

Here's a list of questions to ask yourself as you finish up:

- How much time will it take to export and upload my project?
- How does my instructor want me to submit my project (Google Drive, YouTube, Moodle)?
- Have I properly attributed my sources according to my instructor's guidelines?
- Do I have the right to use anyone else's content that I've included, whether it's public domain, Creative Commons-licensed, or fair use?



[Ask a librarian](#) if you need help or have questions about publishing your project!



# Technology Consultation

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We offer one hour consultations at D. H. Hill Library and Hunt Library, where a digital media assistant provides one-on-one help to students and faculty who want to get started on projects, learn the basics of a new program, or troubleshoot project issues.

Note that there are also self-guided software video tutorials available through [Lynda.com](#) on workstations at D. H. Hill and Hunt Library. If you need immediate help, please [ask us](#).

**Name \***

**Email \***

**What type of help do you need?**

- Graphic Design/Poster Creation
- Video Editing
- Audio Editing
- Web Design
- 3D Printing/3D Scanning (Hunt Library only)
- Other





“I have two current students who are interested in helping to explore using the glasses within the **context of the public speaking assignments.**

We would like to evaluate the glasses for use as a **speaking aid, similar to notecards or a teleprompter.**

We plan to have each of the students **give two versions of a speech, one with glasses, and one without glasses,** to determine whether the glasses will improve their performance based on our standard rubric.”





“I am a PhD student in Chemical Engineering Department. The google glass are planning to be **used in the bubbling bed research**. The shape of the bubble needs to be recorded during the experiment. **Google glass can potentially provide multiangle image**, which is complementary data of the existing high speed camera.”





“I'm studying the possibilities of **combining creative coding with big data** to explore the possibilities of **digital media experiences and distribution.**”





“Application Development: Specifically, **building basic Facebook integration for Glass** so as to quantify the implications of wearable devices on social media.”





“I will see if it can help me to **teach badminton to my friend** or not.”

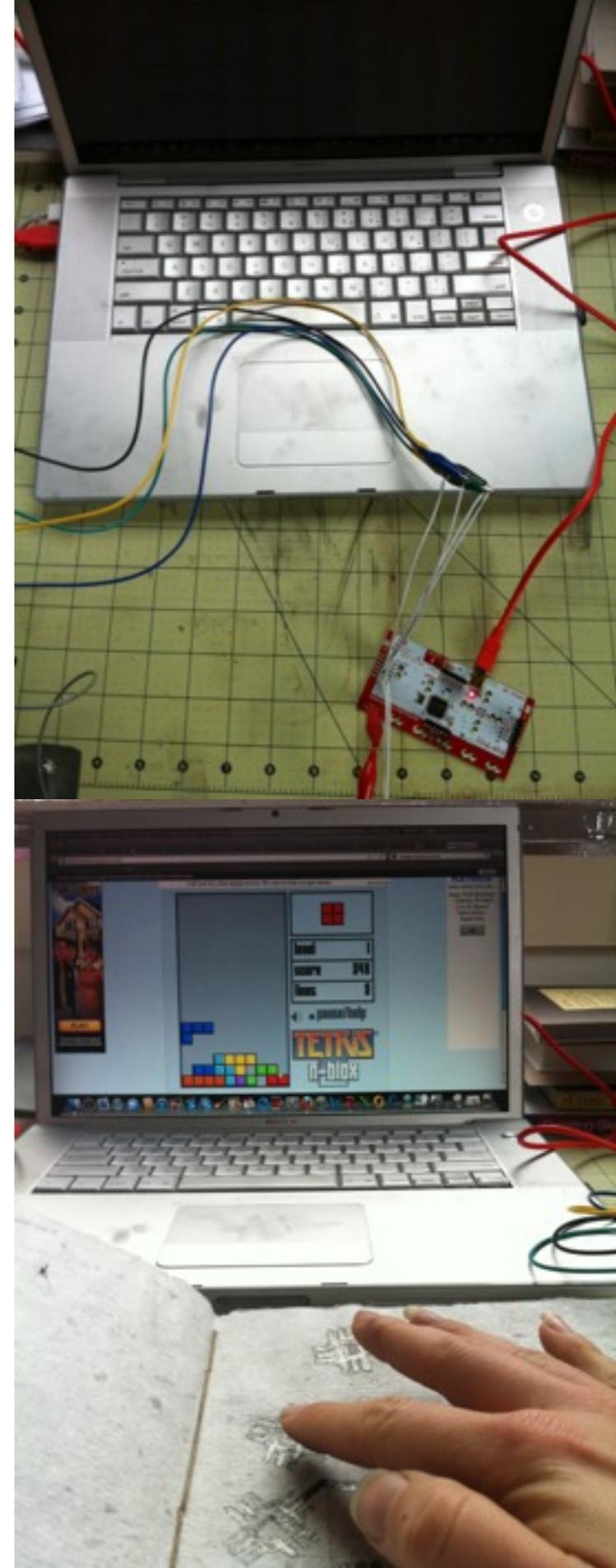


“I **made the paper out** of old communications media: cassette tapes, floppy disks, circuit boards, a VCR and other electronics.

Then **attached the book to a makey makey** and used graphite (and myself) as a conductor which allows you to run/control any program on your computer.

You will see me playing Tetris simply from using the ‘keypad’ I drew on the paper. As you can see, the library has inspired me on so many levels”

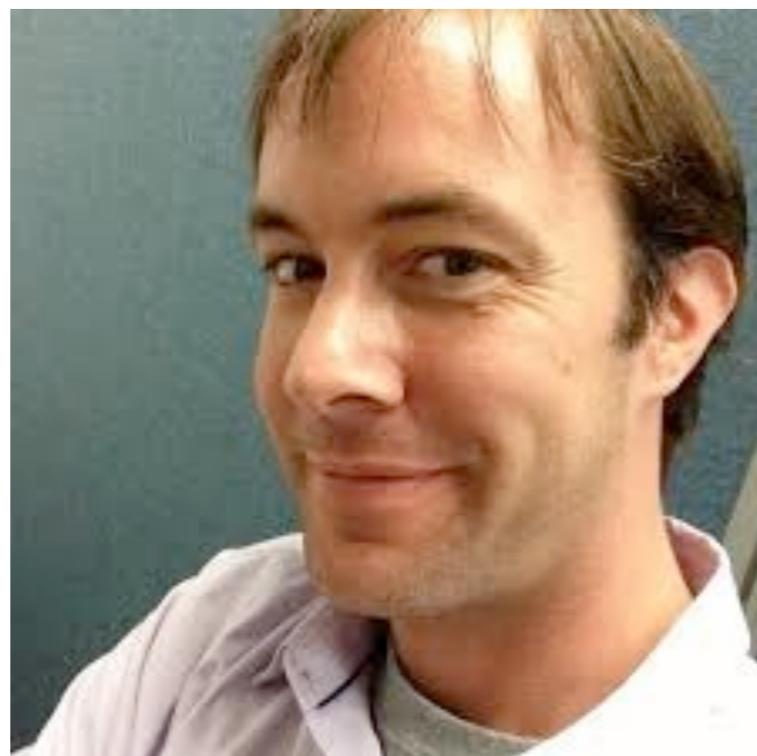
Megan Wood, dual degree student in Textile Technology and Art and Design







Josh Boyer Head, User Experience



David Woodbury, Assoc. Head UE



Adam Rogers, Emerging Tech Librarian



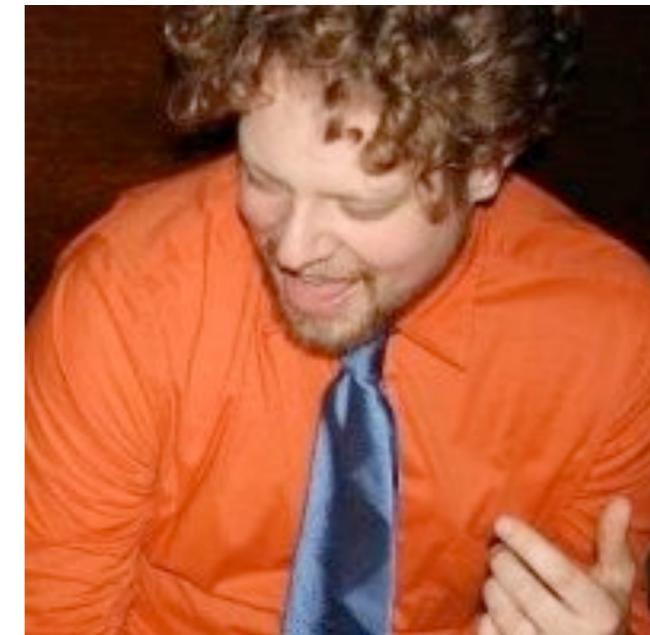
Adrienne Lai  
Emerging Tech Librarian



Colin Nickels  
Tech Lending Operations Mgr.



Brendan O'Connell  
Libraries Fellow



Jason Evans Groth  
Libraries Fellow

